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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 1

Complete if Known

Application Number	09/853,646
Filing Date	May 14, 2001
First Named Inventor	Nicholas C. Nicolaides et al.
Group Art Unit	1642
Examiner Name	TBA Shulda
Attorney Docket Number	001107.00138

U.S. PATENT DOCUMENTS

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		Number - Kind Code ² (if known)			
RRS		US- 6,287,862	09/11/01	delCardayre et al.	
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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

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**SUPPLEMENTAL
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Sheet	1	of	2
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Application Number	09/853.646
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Filing Date	May 14, 2001
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First Named Inventor	Nicholas C. NICOLAIDES, et al
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Group Art Unit	1642
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Examiner Name	TBA Shulela
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Attorney Docket Number	01107.00138
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Examiner Name	<u>IBA Shulda</u>
Attorney Docket Number	01107.00138

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<u>RRS</u>		BUERMEYER, Andrew B., et al., "The Human <i>HLH1</i> cDNA Complements DNA Mismatch Repair Defects in M1H1-deficient Mouse Embryonic Fibroblasts," Cancer Research, Feb. 1, 1999, pp. 538 - 541, Vol. 59., No 3.	
		CASCALHO, Marilia, et al., "Mismatch Repair Co-oped by Hypermutation," Science, pp. 1207 - 1210, Feb. 20, 1998, Vol. 279, Lancaster, PA	
		Iaccarino, Ingram, et al., "hMSH2 and hMSH6 play distinct roles in mismatch binding and contribute differently to the ATPase activity of hMutSα, The EMBO Journal, pp. 2677 - 2686, May 1, 1998, Vol. 17, No. 9, Oxford University Press.	
		LIPKIN, Steven M., et al., " <i>MLH3</i> : a DNA mismatch repair gene associated with mammalian microsatellite instability," Nature Genetics, pp. 27 - 35, Jan. 2000, Vol. 24, No. 1, Nature America, New York, NY	
		NICOLAIDES, Nicolas C., et al., "A Naturally Occurring <i>hPMS2</i> Mutation Can Confer a Dominant Negative Mutator Phenotype," Molecular and Cellular Biology, pp. 1635 - 1641, Mar. 1998, Vo. 18, No. 3, American Society for Microbiology, Washington, D.C.	
<u>RRS</u>		RISINGER, John I., et al., "Single Gene Complementation of the <i>hPMS2</i> Defect in HEC-1-A Endometrial Carcinoma Cells, Cancer Research, pp 2978 - 2981, July 15, 1998, Vol. 58, No. 14.	

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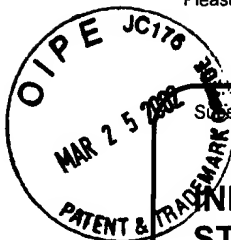
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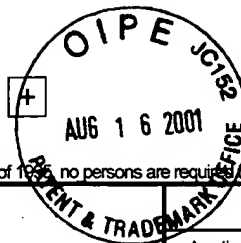
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Examiner Name	Unassigned Shwida
Attorney Docket Number	01107.00138

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RRS		5,907,079		Mak et al.	05/25/1999	
RRS		6,146,894		Nicolaides et al.	11/14/2000	
RRS		6,191,268	B1	Liskay et al.	02/20/2001	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
RRS		PCT	WO 99/19492		Betzner et al.	04/22/1999		
RRS		PCT	WO 97/08312		Kinzler et al.	03/06/1997		

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RRS		Allen, D., et al., "MutS mediates heteroduplex loop formation by a translocation mechanism" <i>EMBO J.</i> , 1997, 16(14), 4467-4476.	
		Baker, S.M., et al., "Male mice defective in the DNA mismatch repair gene PMS2 exhibit abnormal chromosome synapsis in meiosis" <i>Cell</i> , 1995, 82, 309-319.	
		Bronner C.E., et al., "Mutation in the DNA mismatch repair gene homologue hMLH1 is associated with hereditary non-polyposis colon cancer" <i>Nature</i> , 1994, 368, 258-261.	
		de Wind, N., et al., "Inactivation of the mouse Msh2 gene results in mismatch repair deficiency, methylation tolerance, hyperrecombination, and predisposition to cancer" <i>Cell</i> , 1995, 82, 321-330.	
		Drummond, J.T., et al., "Isolation of an hMSH2-p160 heterodimer that restores DNA mismatch repair to tumor cells" <i>Science</i> , 1995, 268, 1909-1912.	
		Drummond, J.T., et al., "Cisplatin and adriamycin resistance are associated with mutla and mismatch repair deficiency in an ovarian tumor cell line" <i>J. Biological Chemistry</i> , 1996, 271(33), 19645-19648.	
		Edelmann, W., et al., "Meiotic pachytene arrest in MLH1-deficient mice" <i>Cell</i> , 1996, 85, 1125-1134.	
		Eshleman, J.R., et al., "Mismatch repair defects in human carcinogenesis" <i>Human Molecular Genetics</i> , 1996, 5, 1489-1494.	
RRS		Fishel, R. et al. "The human mutator gene homolog MSH2 and its association with hereditary nonpolyposis colon cancer." <i>Cell</i> 1993, 7:1027-1038.	

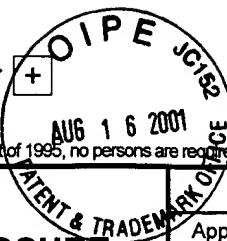
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Group Art Unit	Unassigned 1632
Examiner Name	Unassigned Shutele
Attorney Docket Number	01107.00138

Sheet 2 of 5

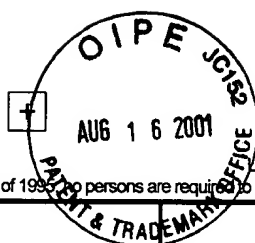
OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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RM		Galio, L., et al., "ATP hydrolysis-dependent formation of a dynamic ternary nucleoprotein complex with MutS and MutL" <i>Nucleic Acids Research</i> , 1999, 27(11), 2325-2331.	
		Hamilton, S.R. et al. "The molecular basis of Turcot's syndrome." <i>N. Eng. J. Med.</i> 1995, 332:839-847.	
		Harfe, B.D., "DNA mismatch repair and genetic instability" <i>Annu. Rev. Genet.</i> , 2000, 34, 359-399.	
		Hoang J., et al., "BAT-26, an Indicator of the Replication Error Phenotype in Colorectal Cancers and Cell Lines" <i>Cancer Res.</i> , 1997, 57, 300-303.	
		Holmes, J., S. Clark, and P. Modrich. "Strand-specific mismatch correction in nuclear extracts of human and <i>Drosophila melanogaster</i> cell lines" <i>Proc. Natl. Acad. Sci. USA</i> 1990 87:5837-5841.	
		Honma, M. et al., "Cytotoxic and Mutagenic Responses to X-rays and Chemical Mutagens in Normal and p53-mutated Human Lymphoblastoid Cells" <i>Mut. Res.</i> , 1997, 374, 89-98.	
		Jiricny, J., et al., "Mismatch repair defects in cancer" <i>Curr. Opin. Genet. Dev.</i> , 2000, 10, 157-161.	
		Karran, P., et al., "Genomic instability and tolerance to alkylating agents" <i>Cancer Surveys</i> , 1996, 28, 69-71.	
		Leach, F.S., et al., "Mutations of a mutS homolog in hereditary nonpolyposis colorectal cancer" <i>Cell</i> , 1993, 75, 1215-1225.	
		Li, G.-M. and P. Modrich. "Restoration of mismatch repair to nuclear extracts of H6 colorectal tumor cells by a heterodimer of human MutL homologs" <i>Proc. Natl. Acad. Sci. USA</i> 1995 92:1950-1954.	
RM		Liu, T., et al., "Microsatellite instability as a predictor of a mutation in a DNA mismatch repair gene in familial colorectal cancer" <i>Genes, Chromosomes & Cancer</i> , 2000, 27, 17-25.	

Examiner Signature	RM	Date Considered	3/17/03
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First Named Inventor	NICOLAIDES
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Examiner Name	Unassigned Shulela
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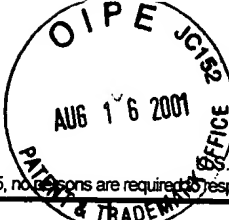
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RS		Liu, T., et al., "Microsatellite instability as a predictor of a mutation in a DNA mismatch repair gene in familial colorectal cancer" <i>Genes, Chromosomes & Cancer</i> , 2000, 27, 17-25.	
		Liu et al., "Analysis of Mismatch Repair Genes in Hereditary Non-polyposis Colorectal Cancer Patients" <i>Nature Medicine</i> , February 1996, 2(2), 169-174.	
		Ma et al., "Dominant Negative Expression of hPMS2 Creates Isogenic Mismatch Repair Deficient Human Colon Cancer Cell Lines" <i>Proc. Am. Assoc. Cancer Res.</i> , March 1998, 39, p. 460 (Abstract #3130).	
		McCallum, C.M., "Targeted screening for induced mutations" <i>Nature Biotechnology</i> , 2000, 18, 455-457.	
		Modrich, P., "Mismatch repair, genetic stability, and cancer" <i>Science</i> , 1994, 266, 1959-1960.	
		Nicolaides, N.C., et al., "The jun family members, c-jun and junD, transactivate the human c-myb, promotor via an Ap1-like element" <i>J. Biological Chemistry</i> , 1992, 267(27), 19655-19672.	
		Nicolaides, N.C., et al., "Genomic organization of the human PMS2 gene family" <i>Genomics</i> , 1995, 30, 195-206.	
		Nicolaides, N.C. et al. "Molecular cloning of the N- terminus of GTBP." <i>Genomics</i> 1996, 31:395-397.	
		Nicolaides, N.C., et al., "Positive autoregulation of c-myb, expression via Myb binding sites in the 5' flanking region of the human c-myb gene" <i>Molecular and Cellular Biology</i> , 1991, 11(12), 6166-6176.	
		Nicolaides, N.C., "A naturally occurring hPMS2 mutation can confer a dominant negative nutator phenotype" <i>Mol. Cell. Biol.</i> , 1998, 18(3), 1635-1641.	
RS		Nicolaides, N.C., et al., "Analysis of the 5' region of PMS2 reveals heterogeneous transcripts and a novel overlapping gene" <i>Genomics</i> , 1995, 29, 329-334.	

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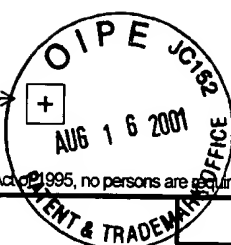
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RS		Nicolaides, N.C., et al., "Mutations of two PMS homologues in hereditary nonpolyposis colon cancer" <i>Nature</i> , 1994, 371, 75-80.	
		Palombo, F., et al., "Mismatch repair and cancer" <i>Nature</i> , 1994, 367, 417.	
		Pang, Q., T.A. Prolla and R.M. Liskay, "Functional domains of the <i>Saccharomyces cerevisiae</i> Mlh1p and Pms1p DNA mismatch repair proteins and their relevance to human hereditary nonpolyposis colorectal cancer-associated mutations" <i>Mol. Cell. Biol.</i> 1997 17(8):4465-4473.	
		Papadopoulos, N., et al., "Mutation of a <i>mutL</i> homolog in hereditary colon cancer" <i>Science</i> , 1994, 263, 1625-1629.	
		Papadopoulos, N., et al., "Mutations of <i>GTBP</i> in genetically unstable cells" <i>Science</i> , 1995, 268, 1915-1917.	
		Parsons, R. et al. "Mismatch repair deficiency in phenotypically normal human cells." <i>Science</i> 1995 268:738-740.	
		Parsons, R., et al., "hypermutability and mismatch repair deficiency in RER+ tumor cells" <i>Cell</i> , 1993, 75, 1227-1236.	
		Peinado, M.A., et al., "Isolation and characterization of allelic losses and gains in colorectal tumors by arbitrarily primed polymerase chain reaction" <i>Proc. Natl. Acad. Sci. USA</i> , 1992, 89, 10065-10069.	
		Perucho, M., et al., "Cancer of the microsatellite mutator phenotype" <i>Biol. Chem.</i> , 1996, 377, 675-684.	
		Prolla, T.A., et al., "MLH1, PMS1, and MSH2 interactions during the initiation of DNA mismatch repair in yeast" <i>Science</i> , 1994, 265, 1091-1093.	
RS		Quian, Y. et al., "Molecular events after antisense inhibition of hMSH2 in a HeLa cell line" <i>Mutation Research</i> , October 12, 1998, Vol. 418, pp. 61-71.	

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RS		Spampinato, C., et al., "The MutL ATPase is required for mismatch repair" <i>J. Biological Chemistry</i> , 2000, 275(13), 9863-9869.	
		Strand, M., et al., "Destabilization of tracts of simple repetitive DNA in yeast by mutations affecting DNA mismatch repair" <i>Nature</i> , 1993, 365, 274-276.	
		Su, S., et al., "Mispair specificity of methyl-directed DNA mismatch correction <i>in vitro</i> " <i>J. Biological Chemistry</i> , 1988, 263(14), 6829-6835.	
		Vora, K.A. et al., "Severe Attenuation of the B Cell Immune Response in Msh2-deficient Mice" <i>Journal of Experimental Medicine</i> , February 1999, 189(3), 471-481.	
		Wheeler, J.M.D., et al., "The role of hypermethylation of the <i>hMLH1</i> promoter region in HNPCC versus MSI+sporadic colorectal cancers" <i>J. Med. Genet.</i> , 2000, 588-592.	
RS		Winter, D.B. et al., "Altered spectra of hypermutation in antibodies from mice deficient for the DNA mismatch repair protein PMS2" <i>Proc. Natl. Acad. Sci., USA</i> , June 1998, 95, 6953-6958.	

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